Janet Napolitano
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Stephen A. Owens
Director

CONCENTRATED ANIMAL FEEDING OPERATION INSPECTION CHECKLIST

GENERAL INFORMATION

Facility Name:
Facility Location:
GPS:
Mailing Address:
County:
Owner, Phone Number:
Date of Inspection:
Assessment by: Yvonne S. Miera, CAFO Coordinator
Inspection ID:

FACILITY OPERATION INFORMATION

Type of Operation:
Number of Animals:

The following have been inventoried and evaluated by the permittee to identify potential pollution sources and to determine water quality protection needs:

1. Application of nitrogen fertilizer utilized in the operation;
2. Irrigation systems and tillage practices utilized in the operation;
3. Animal confinement areas;
4. Manure handling and storage facilities;
5. Wastewater handling and storage facilities;
6. Drainage systems;
7. Drinking Water Wells;
8. Any noted deficiencies;

FIELD OBSERVATIONS

R18-9-402 AGRICULTURAL GENERAL PERMITS: NITROGEN FERTILIZER REQUIREMENTS

Application of Nitrogen Fertilizer

Crops Grown:
Total acreage for land application?
Does the facility have a NMP and follow the nutrient budget projections?

Northern Regional Office
1801 West Route 66 • Suite 117 • Flagstaff, AZ 86001
(928) 779-0313

Southern Regional Office
400 West Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

How much manure and process wastewater is generated daily/yearly?
Is a synthetic fertilizer used?
Are setback requirements being met?

Irrigation Systems and Tillage Practices

Irrigation BMP's Implemented:

1. Application of irrigation water to meet crop needs shall be managed to minimize nitrogen loss by leaching and runoff.
Furrow_____ Flood/Sprinkler_____ Buried/Surface Drip_____

Other Methods_____

2. Application of irrigation water shall be timed to minimize nitrogen loss by leaching and runoff.
Metered flow_____ Frequency_____

Tillage BMP's Implemented:

1.The operator shall use tillage practices that maximize water and nitrogen uptake by crop plants.
Land leveling for field gradients_____ deep plowing_____ ripping of soil_____

Other methods_____

Description of soils, including their physical capacity to receive irrigated (wastewater) for land application(s):

R18-9-403 AGRICULTURAL GENERAL PERMITS: CAFO REQUIREMENTS

Animal Confinement Areas

Is there adequate diversion of storm water around animal confinement areas?
Is there evidence of standing water in animal confinement areas?

Manure Handling and Storage Facilities

How is manure stored on site?
Stockpiling short term (< than 1 year): _____
Stockpiling long term (> than 1 year at same location): _____
Soil profile: compacted_____ clay_____ liner _____
Vegetation used for filtration of nutrients: _____
Where is manure stored?
Frequency of removal?
If manure is stored on-site, is the runoff contained?

Wastewater Collection System:

1. How much wastewater is produced daily?
2. Number of lagoons currently in use?
3. Lagoon dimensions:

4. Are depth markers installed? Depth:
4. If more than one pond exists, can the ponds be operated in series?
5. What is the depth of water in each lagoon?
6. Does the lagoon(s) capacity appear adequate for the size of the operation?

7. Are the lagoons aerobic or anaerobic?
8. Is bacterium added to the lagoons?
    Aerobic ____
    Anaerobic ____
    Facultative ____
9. Amount of freeboard (measured vertically) in each lagoon:
10. Description of and amount of vegetation in lagoon(s).

11. Description of berm slope, width and integrity (erosion, rodent population, seepage, etc).

12. Description of odors and color of wastewater in lagoons.

13. Description of the general maintenance of the lagoons.

Lining Requirements

1. Are there impoundments constructed after November 12, 2005?
3. Existing impoundment seals: clay_____ synthetic_____ natural_____

Records on file at the facility:

1. Lagoon wastewater analysis: Y/N
2. Groundwater analysis: Y/N
3. Site plan: Y/N

Potential Surface Water Impacts:

1. Man-made conveyance or State's waterways through the facility:
2. Flood-control conveyance or other surface water bodies that border any of the perimeters of the facility:
3. Impacted water body:
4. Contaminated storm water runoff is adequately diverted and contained: Y/N

Wells

1. Number of wells:
2. Distance and grade from corrals:
3. Casing type:
4. Distance and grade from septic system:
5. Depth to groundwater:
6. Is there a drinking well system on site?

R18-11-108 NARRATIVE WATER QUALITY STANDARDS AND
R18-11-109 SURFACE WATER QUALITY STANDARDS

Were any contaminated water discharges into Waters of the U.S. observed?

How are animal mortalities disposed?

Samples Taken:

Additional Info.

1. Estimated acreage of Production Area:

2. Acres available for Land Application:

3. Annual estimate of solid manure generated, tons:
   Annual estimate of manure hauled off-site:

4. Annual estimate of wastewater generated, gallons:
   Estimated amount of wastewater transferred to other persons:

5. CAFO class (L/M/S):

6. Animal Type:

7. Number of Animals:

8. Capacity of all liquid containment, gallons:
   Estimated number of days of storage:

9. Estimated amount of solids stored on-site, tons:
   Estimated number of days of storage: